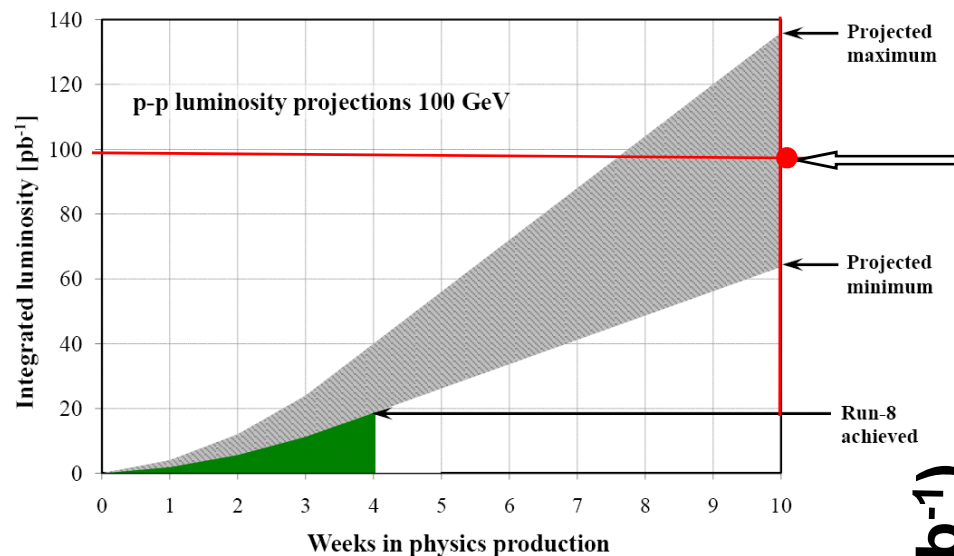


STAR Run 9 – 200 GeV – Status



Longitudinal spin program

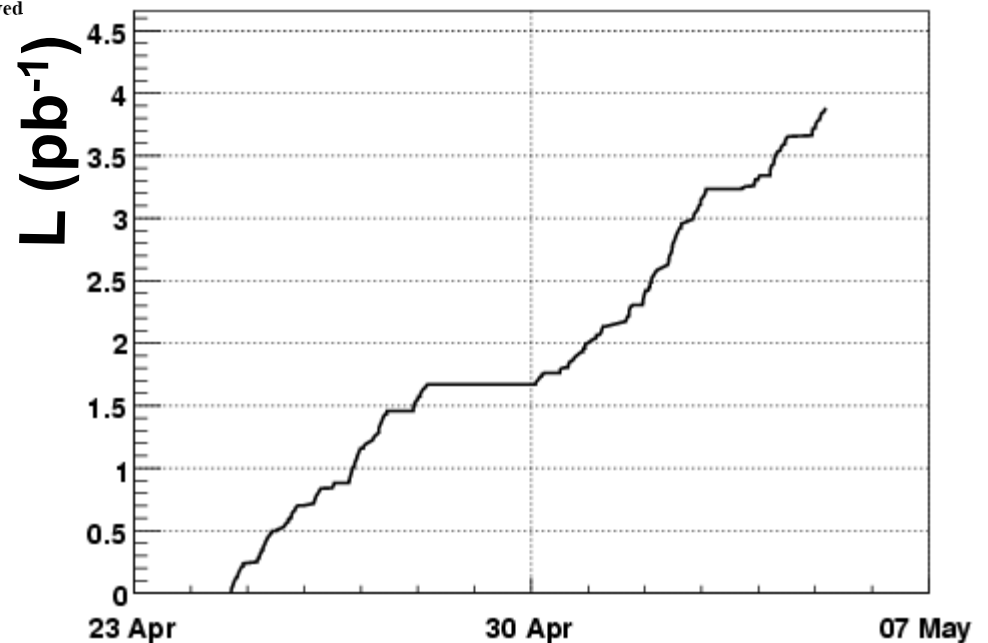
Goal: **FOM = P⁴L ~ 6.5 pb⁻¹**

$L_{\text{delivered}} \sim 100 \text{ pb}^{-1} / L_{\text{recorded}} \sim 50 \text{ pb}^{-1}$
 With 60% polarization

As of 05/05 morning

$L_{\text{recorded}} \sim 3.9 \text{ pb}^{-1}$ (6.5 desired)

✓ Currently all subsystems are running smoothly.

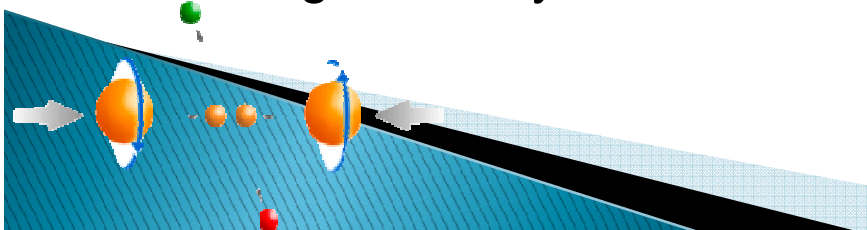


Olga Barannikova

RHIC Time Meeting

5/5/2009

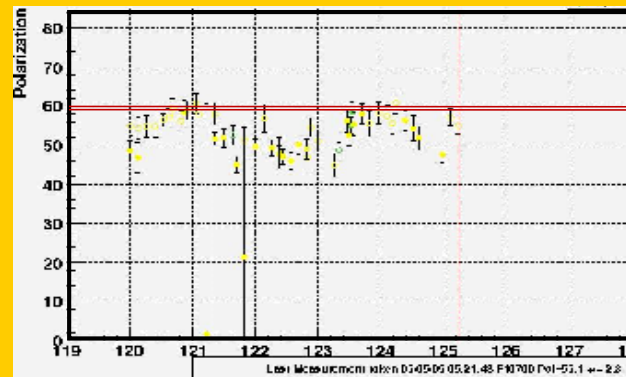
1



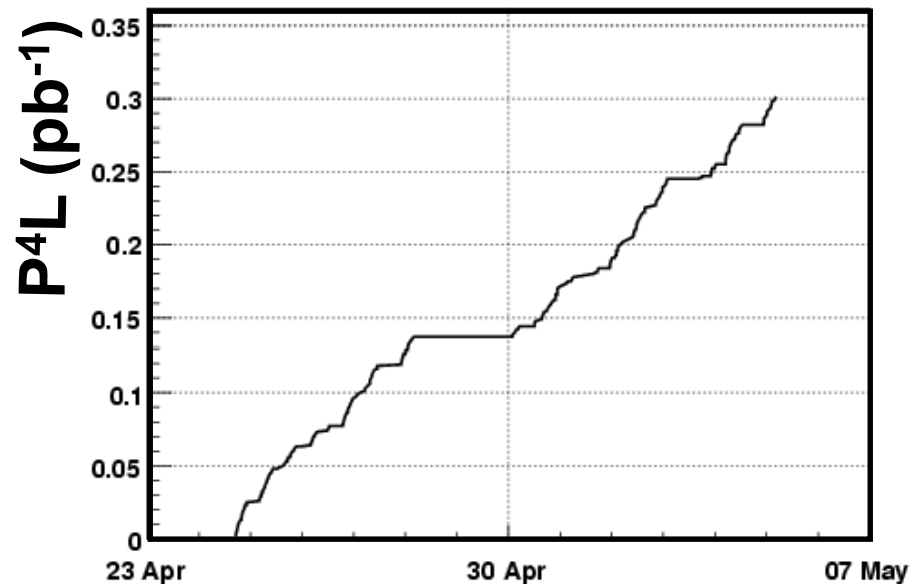
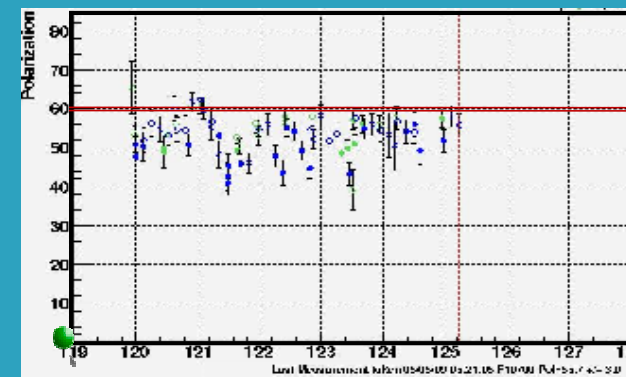
STAR Run 9 – 200 GeV – Status

Polarization and our FOM

CNI Polarization Yellow



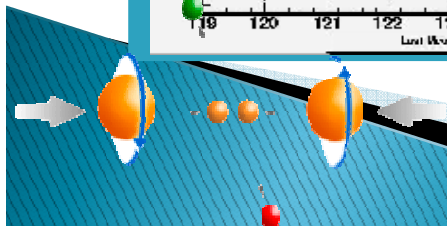
CNI Polarization Blue



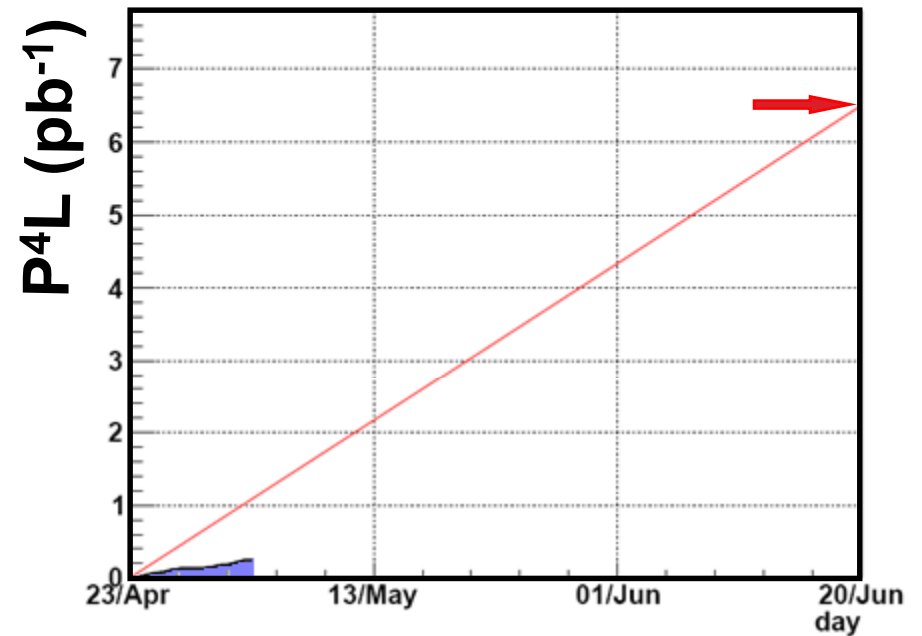
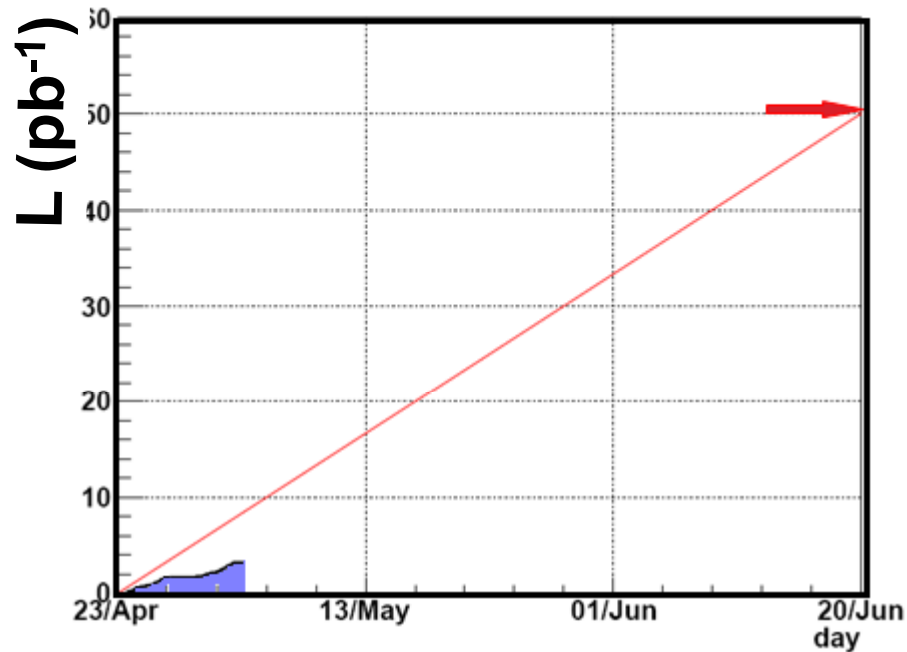
As of 05/05 morning

FOM $\sim 0.3 \text{ pb}^{-1}$ (0.85 desired)

“Beam-dump” proposal $\sqrt{P_B P_Y} < 50\%$
(in coordination with PHENIX)



STAR Run 9 – 200 GeV – Summary



05/05/2009

$L_{\text{recorded}} \sim 3.9 \text{ pb}^{-1}$ (6.5 desired)
 $\text{FOM} \sim 0.3 \text{ pb}^{-1}$ (0.85 desired)

STAR Run 9 – 200 GeV – Status

All physics triggers have been set up and accumulating luminosity since 4/24

STAR DAQ

Menu

Monitoring

Rate Charts

Current Rates

LED Status

Slow Controls

Current RunLog

Today's ShiftLog

Critical Support

Status

RUNNING

10117046

Auto Update

☒

5

s

Now

☐

5547

online 3:3

RUNNING [to RCF]

10117046

production2009_200Gev_HI [PHYSICS]

In progress...

Started

Mon Apr 27 11:04:19 2009

Duration

0 days, 0 hr, 19 min, 39 s

Trigger	DAQ Evt.	DAQ Rate (Hz)	L0 Evt.	L0 Rate (Hz)	Scaler Rate (Hz)	Scaler Deadtime	Built	Xpress	Abt	Err
BHT2*VPDMB	2556	3	2556	4	0	-1 %	2556	0	0	0
BHT3	5480	7	31534	28	0	-1 %	5480	0	26053	0
Upsilon	946	0	31534	28	0	-1 %	946	946	30588	0
L2BGamma	8296	8	31534	28	0	-1 %	8296	8296	23235	0
L2EGamma	1846	1	127105	106	0	-1 %	1846	1846	125259	0
L2JetHigh	62315	62	127105	106	0	-1 %	62315	0	64766	0
BBCMB	3562	3	3562	2	0	-1 %	3562	0	0	0
BBCMB-Cat0	4132	5	4132	3	0	-1 %	4132	0	0	0
BBCMB-Cat1	4072	5	4072	3	0	-1 %	4072	0	0	0
BBCMB-Cat2	4023	5	4023	3	0	-1 %	4023	0	0	0
BBCMB-Cat3	3562	3	3562	2	0	-1 %	3562	0	0	0
BBCMB-Cat4	3562	3	3562	2	0	-1 %	3562	0	0	0
VPDMB	215698	193	215760	184	0	-1 %	215696	0	0	2
ZDCMB	1013	0	1013	1	0	-1 %	1013	0	0	0
FMSfast	187980	162	188034	167	0	-1 %	187980	187980	0	0
FMSled FPDE	13	0	13	0	0	-1 %	13	13	0	0
zb	1053	0	1053	0	0	-1 %	1053	1053	0	0
ALL	556049	430	556113	471	0	0 %	477144	200134	78920	2

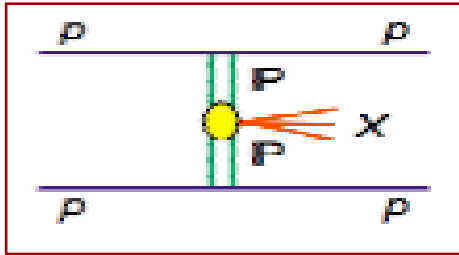
Physics programs running in parallel with high efficiency:

Jet, Photon, Heavy flavor, FMS, Minimum bias

Optimization exercise this week → 20-30% increase in $L_{\text{reordered}}$



STAR Run 9 – 200 GeV – pp2pp



- Tagged forward protons
 - Study elastic and inelastic process
 - Investigate gluonic exchanges and search for gluonic matter

On 05/05: Roman Pots are moved towards the beam

- ✓ Background monitoring
- ✓ Special trigger configuration test